Monthly Project Activities Summary Report
Sherwin-Williams Emeryville Facility, Emeryville, CA
Per DTSC Order IS/E 05/06-007
August 2011

1. Community Safety Plan

Current version is always available at the DTSC Envirostor, click here. Current version was last updated on April 26, 2011.

2. Soil Excavation, Off-Site Transport and Water Treatment

The following non-excavation activities were performed at the Site during August.

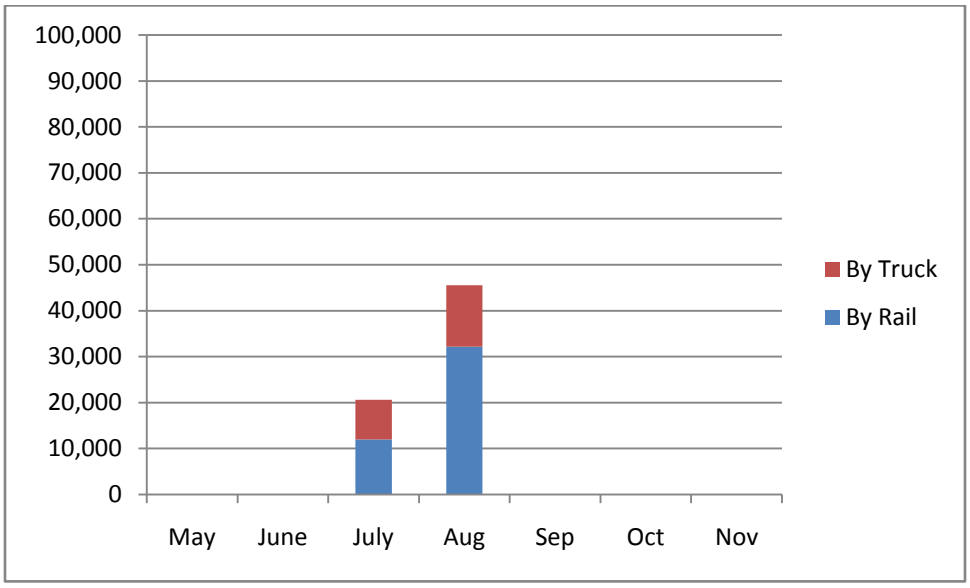
- Dust and vapor control measures continued to operate during working hours. Control measures include: windscreens, water spray/mist systems, and dust suppressants, including Hydroseal.
- Expanded exclusion zone to accommodate movement of vehicles into the support area west of Building 31. Entrance and exit to and from the exclusion zone is controlled to assure proper personal protective equipment and decontamination of vehicles and equipment is followed.
- Waste material generated during excavation support activities, including SVE operation and well abandonment were characterized and property disposed or recycled.
- Tie-backs for shoring wall were installed.
- An estimated total of 3,150 CY of clean backfill materials were brought into the Site and stockpiled in the clean backfill stockpile area west of Building 1.

The following excavation activities were performed at the Site during August:

- During the month of August excavation proceeded in the vadose, (upper non-saturated layers), and the deeper saturated layers. This occurred in Excavation Layers 3 through 7, as shown in the attached Figures 1 through 6.
- Cultural resource monitoring was conducted during excavation by qualified archeologists through the first 4 weeks of August.
- Concrete demolition at the former loading dock was performed.
- Zorbix, a dry dewatering agent, was mixed into stockpiles containing saturated soil coming from saturated zone excavation. Zorbix is being used to control the presence of free liquids in the soil during stockpiling and transport.
- Excavation of the design Categories 5 through 8 materials (higher concentrations of As, Pb and VOCs was completed on August 22, 2011. Remaining excavation is expected to generate materials presumed to be categories 1 through 4 only (non-hazardous and low to moderate hazardous concentrations of As, Pb and VOCs).
- A 72-car unit train containing categories 3 and 4 (hazardous levels of As and Pb) materials was transported to U.S. Ecology in Grandview, ID, on August 4, 2011.

- A 75-car unit train containing category 2 (California hazardous levels of As and Pb) material was transported to ECDC in East Carbon, UT on August 19, 2011.
- A 60-car unit training containing categories 3 and 4 (hazardous levels of As and Pb) materials was transported to U.S. Ecology in Grandview, ID, on August 25, 2011.
- Throughout August, 2011, stockpiling of excavated material is segregated by material types, prior to sampling and loading for offsite transport. Rail cars transported hazardous materials to treatment and disposal facilities via adjacent rail lines. Trucks transported non-hazardous materials to disposal facilities via surface streets and adjacent highways. The chart below shows tonnage transported offsite.

Soil transported off-site (in accumulated tons by month):



Total truck loads out: __190__ in past month; __591__ total
Total rail car loads out: __216__ in past month; __330__ total.

The following groundwater extraction and treatment activities were performed at the Site during August:

- Groundwater from the excavation was pump from several low areas on the south end of the excavation. Seepage into the excavation was diverted away from the north (Rifkin area) towards the south end sumps by using a number of trenches. The water was pumped to the onsite water treatment plant, was pre-treated and discharged in accordance with EBMUD permit requirements continuously throughout the month.

3. Perimeter Air Monitoring Results

- Seven air monitoring stations surround the site and measure respirable particulate matter less than 10 micrometers (RPM10) in size and total volatile organic compounds (TVOC) concentrations continuously. A weather station is operating and monitoring wind speed and direction, temperature and relative humidity. Perimeter real-time air monitoring for dust and total volatile organics were performed continuously, seven days a week, 24 hours a day, throughout the month of August, 2011.
- Daily perimeter air sampling for As, Pb and TVOCs concluded on August 2, 2011. Daily perimeter air sampling was conducted between June 16, 2011 and August 2, 2011. Following this period of daily sampling equating to seven weeks, DTSC has approved reducing daily sampling to days where suspected levels of As, Pb and TVOCs are high. Subsequent air sampling was performed during excavation on August 22, during excavation of areas identified to contain high VOC, As and Pb concentrations (Category 5, 6 and 7 materials).
- As shown in attached figures and tables, results from volatile organics air samples collected on August 1, August 2, and August 22, 2011 have not exceeded their respective performance standards.
- As shown in attached tables, results from As and Pb in RPM10 air samples collected on August 22, 2011 have not exceeded their performance standards.
- The consistent air monitoring results and supporting laboratory analyses not exceeding the performance standards demonstrate that dust and vapor control measures implemented with the start of excavation have been sufficient to maintain protection of the surrounding community from site contaminants.
- These consistent laboratory results not exceeding the performance standards support the dust and total volatile organics monitoring approach of using real time action levels for maintaining protection of the surrounding community from site contaminants as shown in Figures 7 and 8 respectively.
- DTSC approved the termination of daily perimeter air sampling due to the effectiveness of dust and vapor control measures as verified by real time monitoring and its correlation with perimeter air sampling. For the remaining project duration, perimeter air sampling will be performed if levels of TVOC/metals concentrations are expected to be of in the excavation area. However, as stated previously, remaining materials to be excavated are presumed to be categories 1 through 4 materials and perimeter air sampling is not anticipated to be required.
- Wind rose data is generated daily from the site weather data station. A cumulative wind rose for the month of August is shown in Figure 9.
- Daily and weekly reports presenting the real time perimeter air monitoring results have been posted to the DTSC website and the community board at the site through August

26, 2011. DTSC has subsequently agreed that weekly and monthly reports are sufficient. Daily air monitoring reports will not continue to be posted on the DTSC website. Weekly reports posted to the DTSC website will include AQ reporting. Daily AQ reports will continue to be posted on the Community Bulletin Board at the corner of Sherwin and Horton Streets.

4. Other Project News

- An arborist from Ponderosa Tree Service was consulted regarding the health of the trees on Horton Avenue. The trees show good health at the stems and stocks, but some have been dropping leaves more than others. The trees were further evaluation by a botanist and identified to have a fungus. The tree leaves are expected to fully rebound during next spring.

  During August Sherwin-Williams and representative met with community leaders, DTSC and community groups to discuss and obtain feedback on plans to request the City to allow extended hours during the weekdays and to include Saturday for additional activities. See information below on September 6 City Council meeting.

5. Coming up Next in September

- Continue excavation into the deeper saturated layers.
- Continue stockpiling of contaminated soil for characterization of material for offsite transport and disposal.
- Continue load out of hazardous soil and debris by rail car and non hazardous soil by truck.
- Continue importing and stockpiling of clean backfill material to be used for backfill following excavation and removal of contaminated soil.
- Dust and vapor control, and perimeter air monitoring will continue throughout the month of September.
- Continue to divert and pump groundwater seepage into the onsite water treatment plant for treatment and disposal into the sanitary sewer.
- Begin backfill of clean material on the north side of the excavation at the higher elevations above +0 elev.
- Install the interceptor trench and impermeable membrane barrier.
- Monthly water levels within project monitoring well locations will be collected.
- On September 6, 2011, Sherwin-Williams and Envirocon will request from the City Council of Emeryville a noise ordinance variance for extended hours during the week and for Saturday work between 9 AM and 6 PM. The work on Saturdays will be for

loading rail cars and for several weekends to monitor work related to the installation of slurry walls and trenches uses materials requiring continuous mixing during construction.

- Regarding communications, outreach to area residents and monitoring of and response to hotline calls will continue.

6. Communication

- Throughout the month of August members of the project team responded to calls made to the community hotline.
- A notice regarding Envirocon's request for a Noise Waiver for extended work hours was distributed on August 16 by US mail to 379 parties on the project mailing list, and by e-mail to 90 persons (in addition to the City's notification of property owners and occupants within 300 feet of the site).
- Sherwin-Williams representatives met with members of the Park Avenue District Advisory Committee, the 1500 Park Avenue Board and HOA, and the Emeryville Artists' Co-op to discuss the requested noise ordinance variance for extended work hours (other meetings were offered but declined due to lack of interest). Mara Feeney responded to all questions received from the public (one phone call and three e-mail responses), and was also interviewed by Tracy Schroth for her blog entry about the site in the Emeryville Secret News. Larry Mencin and Mara Feeney also responded to information contained in the blog.

7. Community Telephone Complaint Hotline

- Two hotline calls were received during the month of August. The nature of the calls and the follow up information that was provided are listed below:

  Concerned about placement of stockpiled hazardous waste not being conducted per the approved Remedial Design Implementation Plan. The caller observed stockpiles on the south end of the site being covered with Hydroseal and assumed these were hazardous waste piles. The piles were non-hazardous. They were both clean import backfill and non-hazardous material. All piles get covered and recovered if disturbed. Waste material gets covered with Hydroseal (green looking material). The clean backfill material now gets covered with T-200 (clear dust suppressant).

  Concerned about dust being observed from the north end of the Horton Street sidewalk canopy cover. Caller complained dust was being observed to be uncontrolled. The excavation was in wet conditions and it is possible what was being observed as dust was the mixing of Zorbix into the material as a

dewatering agent. The material is fine material with the potential to create airborne "dust" particles. The mixing of Zorbix is performed with the dust control equipment to contain the material directly at the working area of the equipment.

In response to the Notice regarding extended hours, one phone call and three e-mail responses were received as described below:

One resident of Horton Street called to say he would rather see the project extend into the rainy season than grant the waiver, because it would cost Sherwin-Williams more money that way. He also complained about the haiku wall being some sort of advertising rather than art.

An e-mail from a resident of 1500 Park Avenue contained a list of detailed questions about the extended work hours and how this would impact the neighborhood. Detailed responses and follow-up discussion were provided.

Another resident of 1500 Park Avenue protested weekend work and wanted to know how to object to it. Additional detailed information about the request was provided and she was informed about the September 6 City Council hearing.

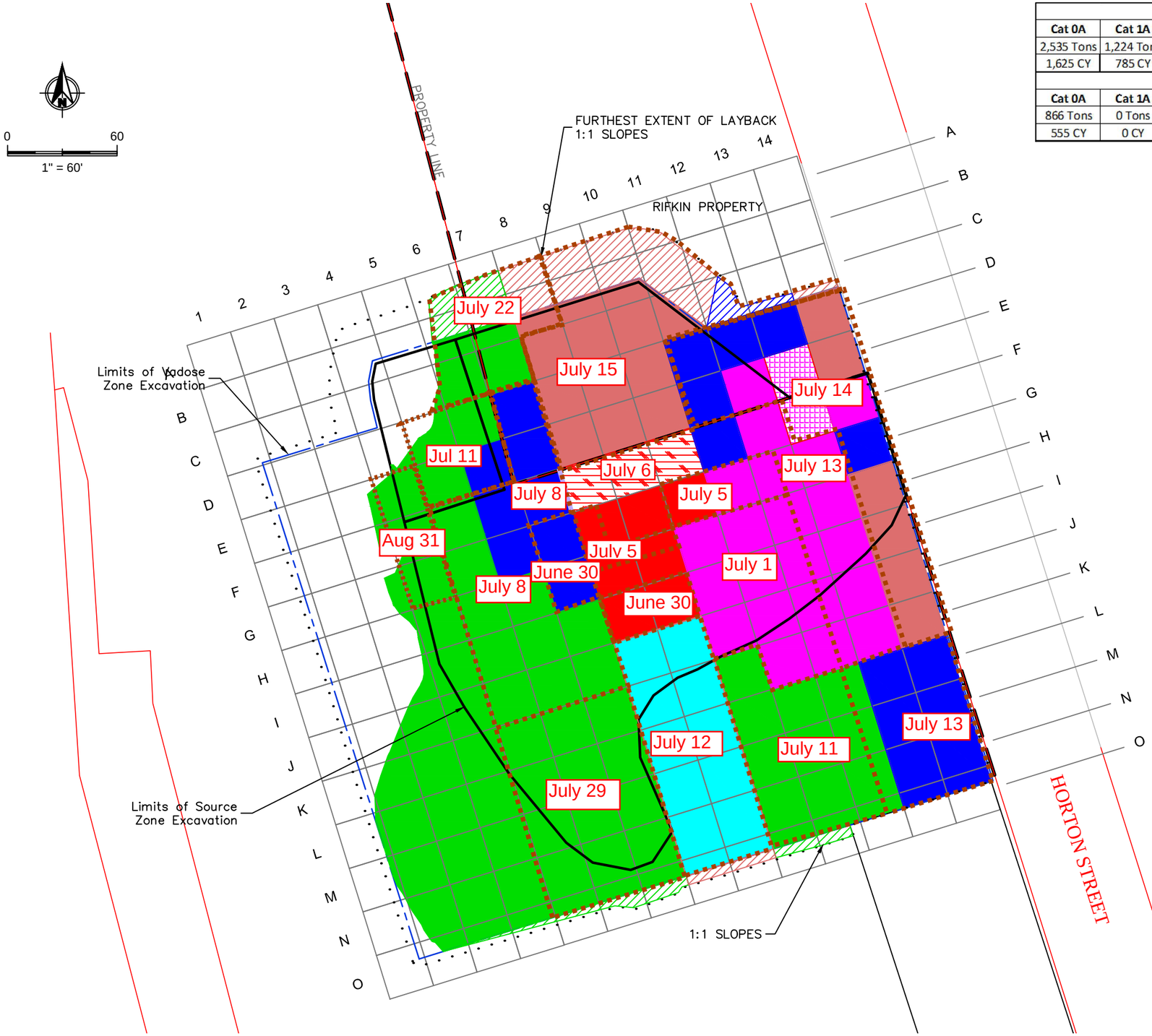
A resident of Bay Street apartments complained about night noise from the UP railroad yard.

Tracy Schroth had a series of telephone and e-mail inquiries, seeking information for her blog article on the site. Information was provided as requested, and responses were posted to her blog, as well, to provide additional clarification.

For Project information, contact:
Nathan Schumacher, DTSC: 866-495-5651 (Mon-Friday, work hours)

To register a concern/complaint about the project activities, contact:
Project Complaint Hotline: 866-848-5307 (24 hrs/day)

Volumes of Each Waste/Disposal Category								
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
2,535 Tons	1,224 Tons	3,040 Tons	2,783 Tons	3,030 Tons	1,011 Tons	0 Tons	433 Tons	293 Tons	0 Tons
1,625 CY	785 CY	1,949 CY	1,784 CY	1,943 CY	648 CY	0 CY	278 CY	188 CY	0 CY
Additional Volumes for Layback of Each Waste/Disposal Category									
Cat 0A	**Cat 1A**	**Cat 1B**	**Cat 2**	**Cat 3**	**Cat 4**	**Cat 5**	**Cat 6**	**Cat 7**	**Cat 8**
866 Tons	0 Tons	58 Tons	50 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons
555 CY	0 CY	37 CY	32 CY	0 CY	0 CY	0 CY	0 CY	0 CY	0 CY



LEGEND

1
A

Grid Location
25' x 25' x 4' = 93 BCY
Axis
X = Rows A-O
Y = Columns 1-14
Z = Elevation at Bottom of Excavation

Waste Categorization

Category 0-A
Non-Hazardous Class II Daily Cover,
possible direct-load
based on in-place non-haz and arsenic below
24 mg/kg, actual landfill criteria not known

Category 1-A
Non-Hazardous Class II, possible direct-load
based on in-place data, Bay Area landfills, truck

Category 1-B
Stockpile to confirm non-hazardous Class II,
Bay Area landfills, truck

Category 2
Stockpile to confirm non-RCRA waste,
ECDC Carbondale, rail

Category 3
Stockpile to confirm RCRA waste
not requiring treatment,
USEI Grandview, rail

Category 4
Stockpile to confirm RCRA w/UHCs waste
requiring stabilization,
USEI Grandview, rail

Category 5
Stockpile to confirm RCRA w/UHCs waste
requiring chemical oxidation,
USEI Grandview, rail

Category 6
Stockpile to confirm RCRA w/UHCs waste
requiring thermal treatment,
CWM Arlington, rail

Category 7
Stockpile to confirm RCRA w/UHCs waste
requiring stabilization and chemical oxidation,
USEI Grandview, rail

Category 8
Stockpile to confirm RCRA w/UHCs waste
requiring stabilization and thermal treatment,
CWM Arlington, rail

Figure 1

PREPARED FOR:
SHERWIN–WILLIAMS
1450 SHERWIN AVE.
EMERYVILLE, CA

PREPARED BY:
ENVIROCON
1687 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

TITLE: Excavation Layer 2
Elevation +18 to +14

SHEET NO.: EX-3

DRAWN BY: J. Stone	LOCATION: Emeryville, CA.		DWG NO.: 1483001–Soil Class Excav 110304
REVIEWED BY: T. Maestas	SCALE: 1" = 60'	DATE: 03–18–2011	SHEET: 3 of 11 REV: 0

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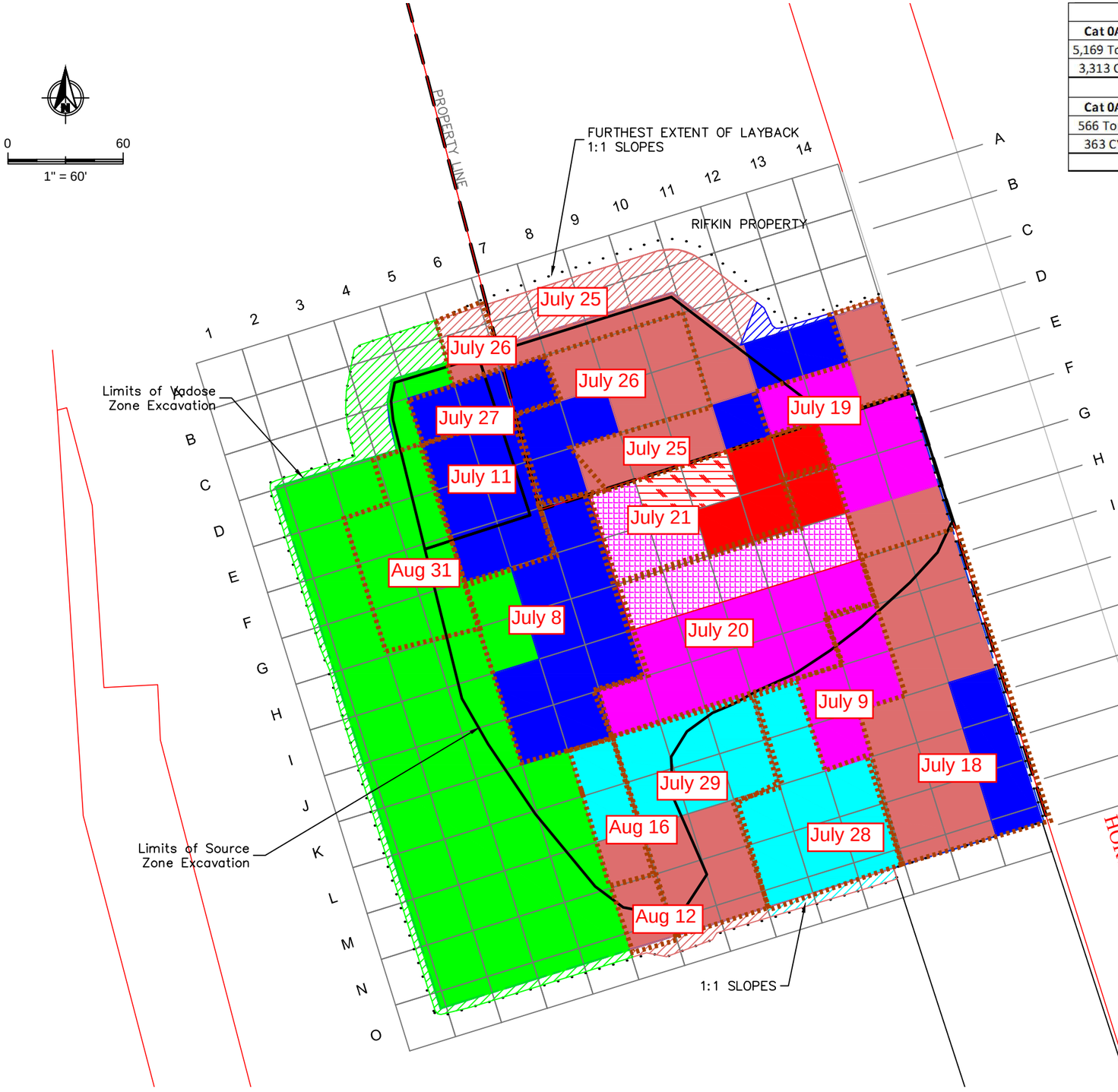
Volumes of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
5,169 Tons	2,463 Tons	6,005 Tons	4,089 Tons	2,889 Tons	722 Tons	0 Tons	289 Tons	1,156 Tons	0 Tons
3,313 CY	1,579 CY	3,849 CY	2,621 CY	1,852 CY	463 CY	0 CY	185 CY	741 CY	0 CY
Additional Volumes for Layback of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
566 Tons	0 Tons	382 Tons	31 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons
363 CY	0 CY	245 CY	20 CY	0 CY	0 CY	0 CY	0 CY	0 CY	0 CY
Total Accumulated Volume						45,122 Tons		28,199 CY	



LEGEND

1
A

Grid Location
25' x 25' x 4' = 93 BCY
Axis
X = Rows A-O
Y = Columns 1-14
Z = Elevation at Bottom of Excavation

Waste Categorization

Category 0-A
Non-Hazardous Class II Daily Cover,
possible direct-load
based on in-place non-haz and arsenic below
24 mg/kg, actual landfill criteria not known

Category 1-A
Non-Hazardous Class II, possible direct-load
based on in-place data, Bay Area landfills, truck

Category 1-B
Stockpile to confirm non-hazardous Class II,
Bay Area landfills, truck

Category 2
Stockpile to confirm non-RCRA waste,
ECDC Carbondale, rail

Category 3
Stockpile to confirm RCRA waste
not requiring treatment,
USEI Grandview, rail

Category 4
Stockpile to confirm RCRA w/UHCs waste
requiring stabilization,
USEI Grandview, rail

Category 5
Stockpile to confirm RCRA w/UHCs waste
requiring chemical oxidation,
USEI Grandview, rail

Category 6
Stockpile to confirm RCRA w/UHCs waste
requiring thermal treatment,
CWM Arlington, rail

Category 7
Stockpile to confirm RCRA w/UHCs waste
requiring stabilization and chemical oxidation,
USEI Grandview, rail

Category 8
Stockpile to confirm RCRA w/UHCs waste
requiring stabilization and thermal treatment,
CWM Arlington, rail

Figure 2

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PREPARED FOR:
SHERWIN–WILLIAMS
1450 SHERWIN AVE.
EMERYVILLE, CA

PREPARED BY:
ENVIROCON
1687 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661

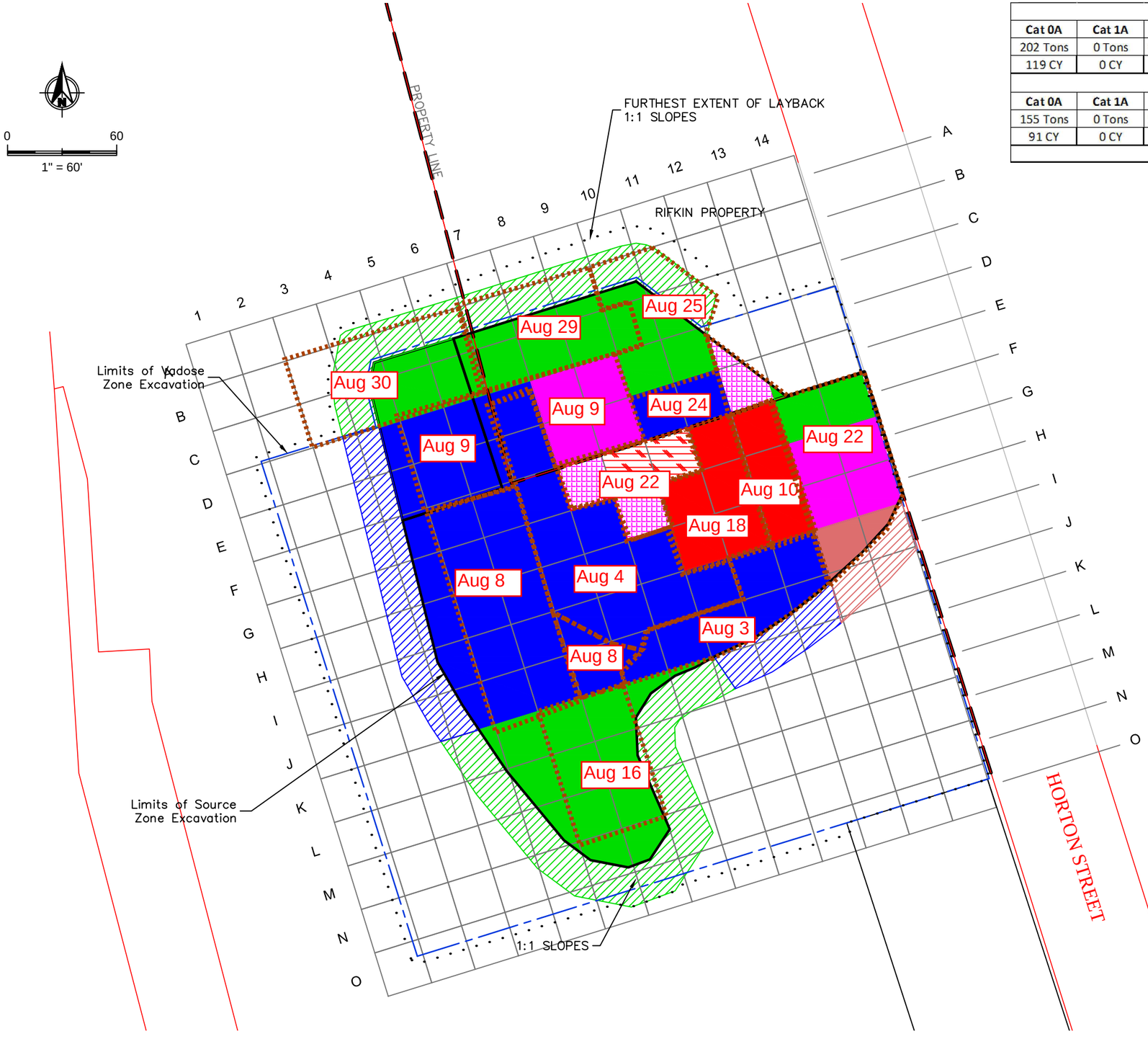
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

TITLE: Excavation Layer 3
Elevation +14 to +10

SHEET NO.: EX- 4

DRAWN BY: J. Stone	LOCATION: Emeryville, CA.		DWG NO.: 1483001–Soil Class Excav 110304
REVIEWED BY: T. Maestas	SCALE: 1" = 60'	DATE: 03–18–2011	SHEET: 4 of 11 / REV: 0

Volumes of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
202 Tons	0 Tons	3,702 Tons	6,199 Tons	1,259 Tons	1,259 Tons	0 Tons	315 Tons	485 Tons	0 Tons
119 CY	0 CY	2,178 CY	3,646 CY	740 CY	741 CY	0 CY	185 CY	285 CY	0 CY
Additional Volumes for Layback of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
155 Tons	0 Tons	1,445 Tons	663 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons
91 CY	0 CY	850 CY	390 CY	0 CY	0 CY	0 CY	0 CY	0 CY	0 CY
Total Accumulated Volume						60,806 Tons		37,424 CY	



LEGEND

1
A

Grid Location
25' x 25' x 4' = 93 BCY
Axis
X = Rows A-O
Y = Columns 1-14
Z = Elevation at Bottom of Excavation

Waste Categorization

Category 0-A
Non-Hazardous Class II Daily Cover, possible direct-load based on in-place non-haz and arsenic below 24 mg/kg, actual landfill criteria not known

Category 1-A
Non-Hazardous Class II, possible direct-load based on in-place data, Bay Area landfills, truck

Category 1-B
Stockpile to confirm non-hazardous Class II, Bay Area landfills, truck

Category 2
Stockpile to confirm non-RCRA waste, ECDC Carbondale, rail

Category 3
Stockpile to confirm RCRA waste not requiring treatment, USEI Grandview, rail

Category 4
Stockpile to confirm RCRA w/UHCs waste requiring stabilization, USEI Grandview, rail

Category 5
Stockpile to confirm RCRA w/UHCs waste requiring chemical oxidation, USEI Grandview, rail

Category 6
Stockpile to confirm RCRA w/UHCs waste requiring thermal treatment, CWM Arlington, rail

Category 7
Stockpile to confirm RCRA w/UHCs waste requiring stabilization and chemical oxidation, USEI Grandview, rail

Category 8
Stockpile to confirm RCRA w/UHCs waste requiring stabilization and thermal treatment, CWM Arlington, rail

Figure 3

PREPARED FOR:
SHERWIN–WILLIAMS
1450 SHERWIN AVE.
EMERYVILLE, CA

PREPARED BY:
ENVIROCON
1687 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

TITLE: Excavation Layer 4
Elevation +10 to +6

SHEET NO.: EX-5

DRAWN BY: J. Stone
LOCATION: Emeryville, CA.
DWG NO.: 1483001–Soil Class Excav 110304
REVIEWED BY: T. Maestas
SCALE: 1" = 60'
DATE: 03–18–2011
SHEET: 5 of 11
REV: 0

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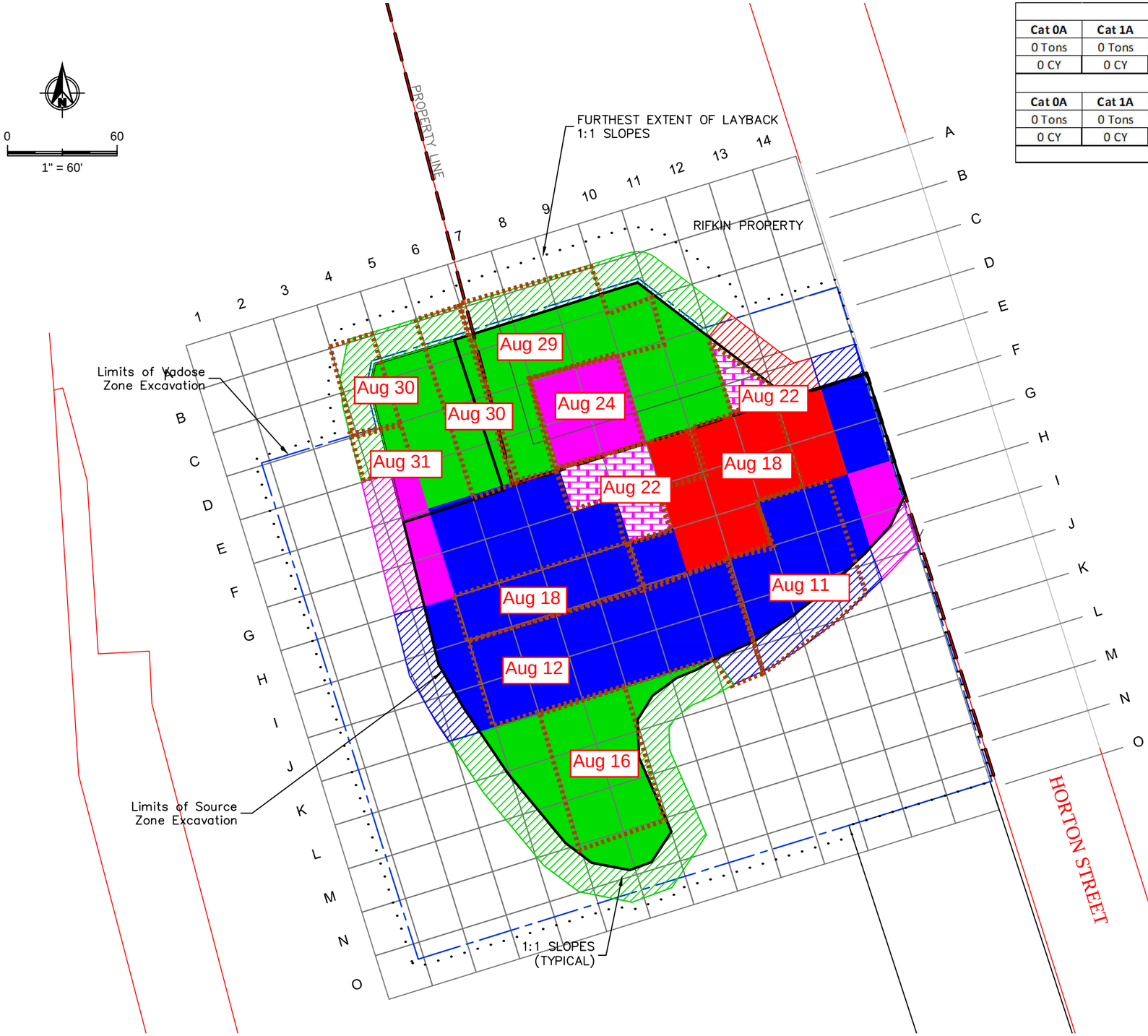

Volumes of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
0 Tons	0 Tons	4,718 Tons	5,343 Tons	1,135 Tons	1,574 Tons	651 Tons	0 Tons	0 Tons	0 Tons
0 CY	0 CY	2,775 CY	3,143 CY	667 CY	926 CY	383 CY	0 CY	0 CY	0 CY
Additional Volumes for Layback of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
0 Tons	0 Tons	1,219 Tons	435 Tons	224 Tons	138 Tons	0 Tons	0 Tons	0 Tons	0 Tons
0 CY	0 CY	717 CY	256 CY	132 CY	81 CY	0 CY	0 CY	0 CY	0 CY
				Total Accumulated Volume		76,243 Tons		46,505 CY	

LEGEND

1
A

Grid Location
25' x 25' x 4' = 93 BCY
Axis
X = Rows A-O
Y = Columns 1-14
Z = Elevation at Bottom of Excavation

Waste Categorization

- Category 0-A
  Non-Hazardous Class II Daily Cover, possible direct-load based on in-place non-haz and arsenic below 24 mg/kg, actual landfill criteria not known
- Category 1-A
  Non-Hazardous Class II, possible direct-load based on in-place data, Bay Area landfills, truck
- Category 1-B
  Stockpile to confirm non-hazardous Class II, Bay Area landfills, truck
- Category 2
  Stockpile to confirm non-RCRA waste, ECDC Carbondale, rail
- Category 3
  Stockpile to confirm RCRA waste not requiring treatment, USEI Grandview, rail
- Category 4
  Stockpile to confirm RCRA w/UHCs waste requiring stabilization, USEI Grandview, rail
- Category 5
  Stockpile to confirm RCRA w/UHCs waste requiring chemical oxidation, USEI Grandview, rail
- Category 6
  Stockpile to confirm RCRA w/UHCs waste requiring thermal treatment, CWM Arlington, rail
- Category 7
  Stockpile to confirm RCRA w/UHCs waste requiring stabilization and chemical oxidation, USEI Grandview, rail
- Category 8
  Stockpile to confirm RCRA w/UHCs waste requiring stabilization and thermal treatment, CWM Arlington, rail

Figure 4

PREPARED FOR:
SHERWIN–WILLIAMS
1450 SHERWIN AVE.
EMERYVILLE, CA

PREPARED BY:
ENVIROCON
1687 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

TITLE: Excavation Layer 5
Elevation +6 to +2

SHEET NO.: EX-6

DRAWN BY: J. Stone	LOCATION: Emeryville, CA.		DWG NO.: 1483001–Soil Class Excav 110304
REVIEWED BY: T. Maestas	SCALE: 1" = 60'	DATE: 03–18–2011	SHEET: 6 of 11 / REV: 0

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Volumes of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
0 Tons	0 Tons	5,028 Tons	5,107 Tons	1,149 Tons	787 Tons	0 Tons	0 Tons	0 Tons	0 Tons
0 CY	0 CY	2,958 CY	3,004 CY	676 CY	463 CY	0 CY	0 CY	0 CY	0 CY
Additional Volumes for Layback of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
0 Tons	0 Tons	962 Tons	279 Tons	148 Tons	141 Tons	0 Tons	0 Tons	0 Tons	0 Tons
0 CY	0 CY	566 CY	164 CY	87 CY	83 CY	0 CY	0 CY	0 CY	0 CY
					Total Accumulated Volume	89,844 Tons		54,505 CY	

0 60

1" = 60'

PROPERTY LINE

FURTHEST EXTENT OF LAYBACK
1:1 SLOPES

Excavation to Elevation +0
on Rifkin property

RIFKIN PROPERTY

Limits of Vadose
Zone Excavation

Aug 29
Aug 25
Aug 30
Aug 31
Aug 24
Aug 24
Aug 24
Aug 23

Limits of Source
Zone Excavation

1:1 SLOPES
(TYPICAL)

HORTON STREET

45TH AVE

LEGEND

1
A

Grid Location
25' x 25' x 4' = 93 BCY
Axis
X = Rows A-O
Y = Columns 1-14
Z = Elevation at Bottom of Excavation

Waste Categorization

- Category 0-A
  Non-Hazardous Class II Daily Cover,
  possible direct-load
  based on in-place non-haz and arsenic below
  24 mg/kg, actual landfill criteria not known
- Category 1-A
  Non-Hazardous Class II, possible direct-load
  based on in-place data, Bay Area landfills, truck
- Category 1-B
  Stockpile to confirm non-hazardous Class II,
  Bay Area landfills, truck
- Category 2
  Stockpile to confirm non-RCRA waste,
  ECDC Carbondale, rail
- Category 3
  Stockpile to confirm RCRA waste
  not requiring treatment,
  USEI Grandview, rail
- Category 4
  Stockpile to confirm RCRA w/UHCs waste
  requiring stabilization,
  USEI Grandview, rail
- Category 5
  Stockpile to confirm RCRA w/UHCs waste
  requiring chemical oxidation,
  USEI Grandview, rail
- Category 6
  Stockpile to confirm RCRA w/UHCs waste
  requiring thermal treatment,
  CWM Arlington, rail
- Category 7
  Stockpile to confirm RCRA w/UHCs waste
  requiring stabilization and chemical oxidation,
  USEI Grandview, rail
- Category 8
  Stockpile to confirm RCRA w/UHCs waste
  requiring stabilization and thermal treatment,
  CWM Arlington, rail

Figure 5

PREPARED FOR:
SHERWIN–WILLIAMS
1450 SHERWIN AVE.
EMERYVILLE, CA

PREPARED BY:
ENVIROCON
1687 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

TITLE: Excavation Layer 6
Elevation +2 to -2

SHEET NO.: EX-7

DRAWN BY: J. Stone	LOCATION: Emeryville, CA.		DWG NO.: 1483001–Soil Class Excav 110304
REVIEWED BY: T. Maestas	SCALE: 1" = 60'	DATE: 03–18–2011	SHEET: 7 of 11 REV: 0

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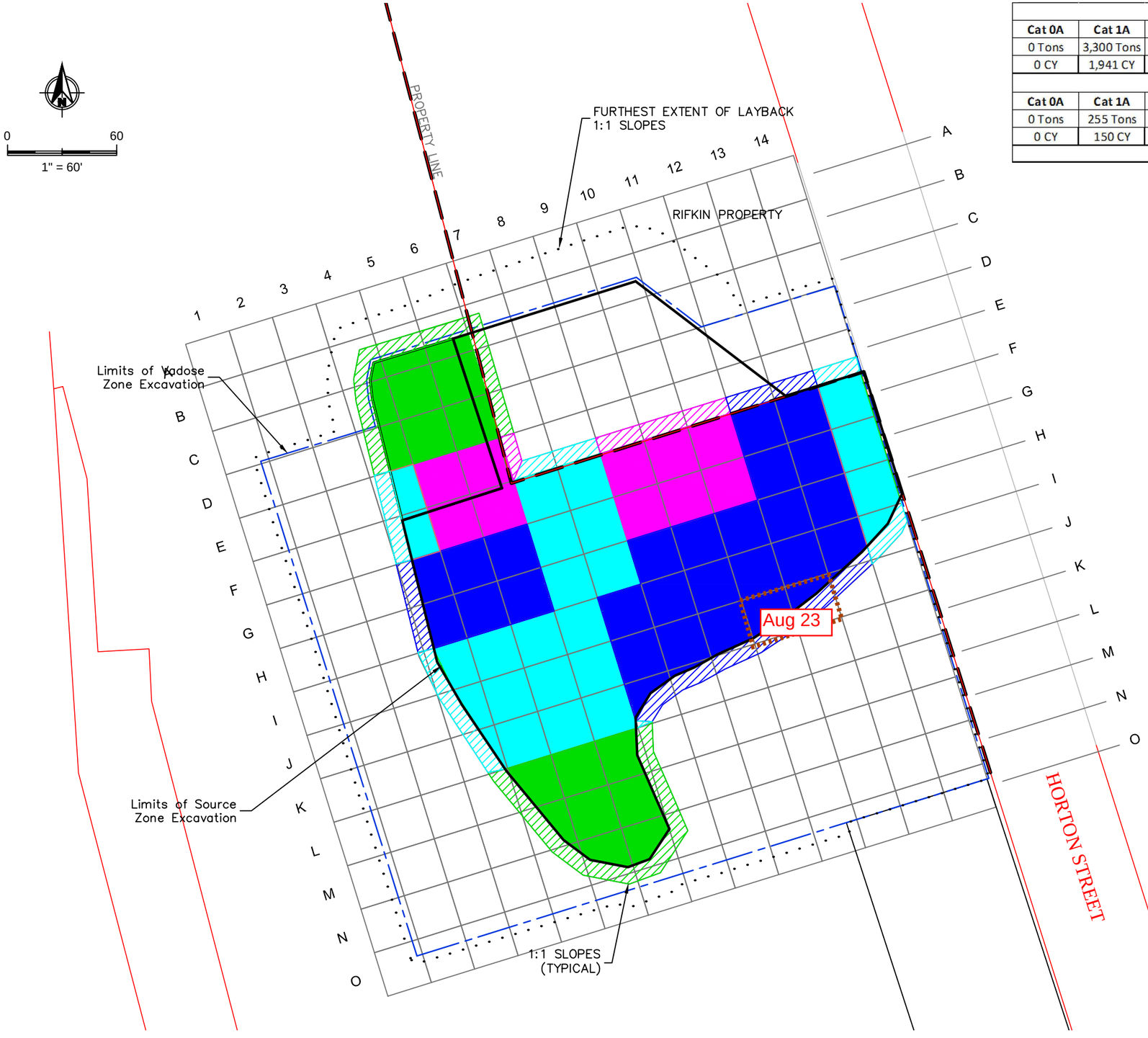

Volumes of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
0 Tons	3,300 Tons	1,925 Tons	3,921 Tons	1,574 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons
0 CY	1,941 CY	1,132 CY	2,306 CY	926 CY	0 CY	0 CY	0 CY	0 CY	0 CY
Additional Volumes for Layback of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
0 Tons	255 Tons	437 Tons	111 Tons	105 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons
0 CY	150 CY	257 CY	65 CY	62 CY	0 CY	0 CY	0 CY	0 CY	0 CY
Total Accumulated Volume						101,472 Tons		61,345 CY	

LEGEND

A 1 — Grid Location
25' x 25' x 4' = 93 BCY
Axis
X = Rows A-O
Y = Columns 1-14
Z = Elevation at Bottom of Excavation

Waste Categorization

- Category 0-A
  Non-Hazardous Class II Daily Cover,
  possible direct-load
  based on in-place non-haz and arsenic below
  24 mg/kg, actual landfill criteria not known
- Category 1-A
  Non-Hazardous Class II, possible direct-load
  based on in-place data, Bay Area landfills, truck
- Category 1-B
  Stockpile to confirm non-hazardous Class II,
  Bay Area landfills, truck
- Category 2
  Stockpile to confirm non-RCRA waste,
  ECDC Carbondale, rail
- Category 3
  Stockpile to confirm RCRA waste
  not requiring treatment,
  USEI Grandview, rail
- Category 4
  Stockpile to confirm RCRA w/UHCs waste
  requiring stabilization,
  USEI Grandview, rail
- Category 5
  Stockpile to confirm RCRA w/UHCs waste
  requiring chemical oxidation,
  USEI Grandview, rail
- Category 6
  Stockpile to confirm RCRA w/UHCs waste
  requiring thermal treatment,
  CWM Arlington, rail
- Category 7
  Stockpile to confirm RCRA w/UHCs waste
  requiring stabilization and chemical oxidation,
  USEI Grandview, rail
- Category 8
  Stockpile to confirm RCRA w/UHCs waste
  requiring stabilization and thermal treatment,
  CWM Arlington, rail

Figure 6

PREPARED FOR:
SHERWIN–WILLIAMS
1450 SHERWIN AVE.
EMERYVILLE, CA

PREPARED BY:
ENVIROCON
1687 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

TITLE: Excavation Layer 7
Elevation -2 to -6

SHEET NO.: EX-8

DRAWN BY: J. Stone	LOCATION: Emeryville, CA.		DWG NO.: 1483001–Soil Class Excav 110304
REVIEWED BY: T. Maestas	SCALE: 1" = 60'	DATE: 03–18–2011	SHEET: 8 of 11 — REV: 0

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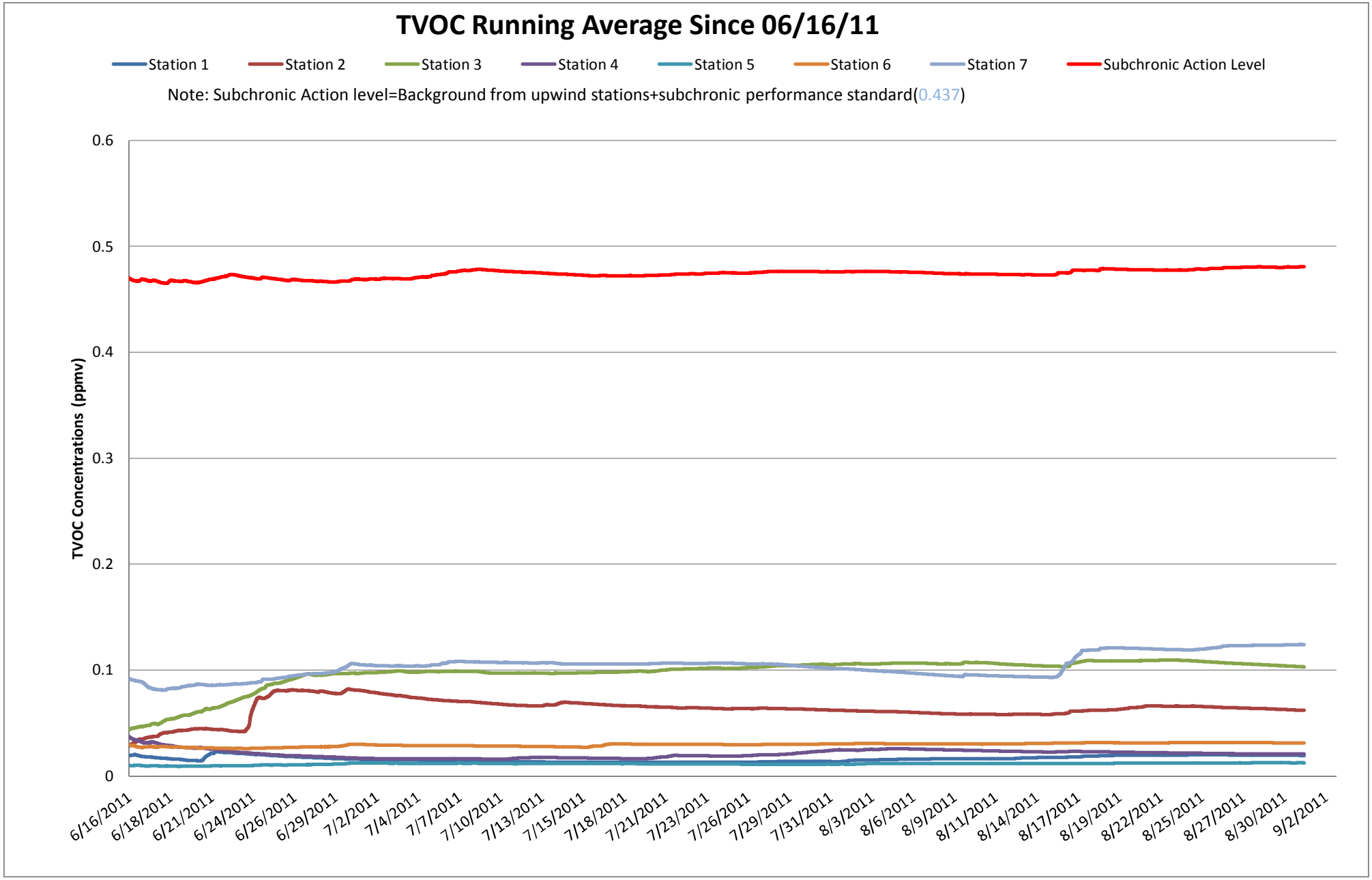

TVOC Running Average Since 06/16/11
Station 1
Station 2
Station 3
Station 4
Station 5
Station 6
Station 7
Subchronic Action Level
Note: Subchronic Action level=Background from upwind stations+subchronic performance standard(0.437)
TVOC Concentrations (ppmv)
0.6
0.5
0.4
0.3
0.2
0.1
0
6/16/2011
6/18/2011
6/21/2011
6/24/2011
6/26/2011
6/29/2011
7/2/2011
7/4/2011
7/7/2011
7/10/2011
7/13/2011
7/15/2011
7/18/2011
7/21/2011
7/23/2011
7/26/2011
7/29/2011
7/31/2011
8/3/2011
8/6/2011
8/9/2011
8/11/2011
8/14/2011
8/17/2011
8/19/2011
8/22/2011
8/25/2011
8/27/2011
8/30/2011
9/2/2011

Figure 7

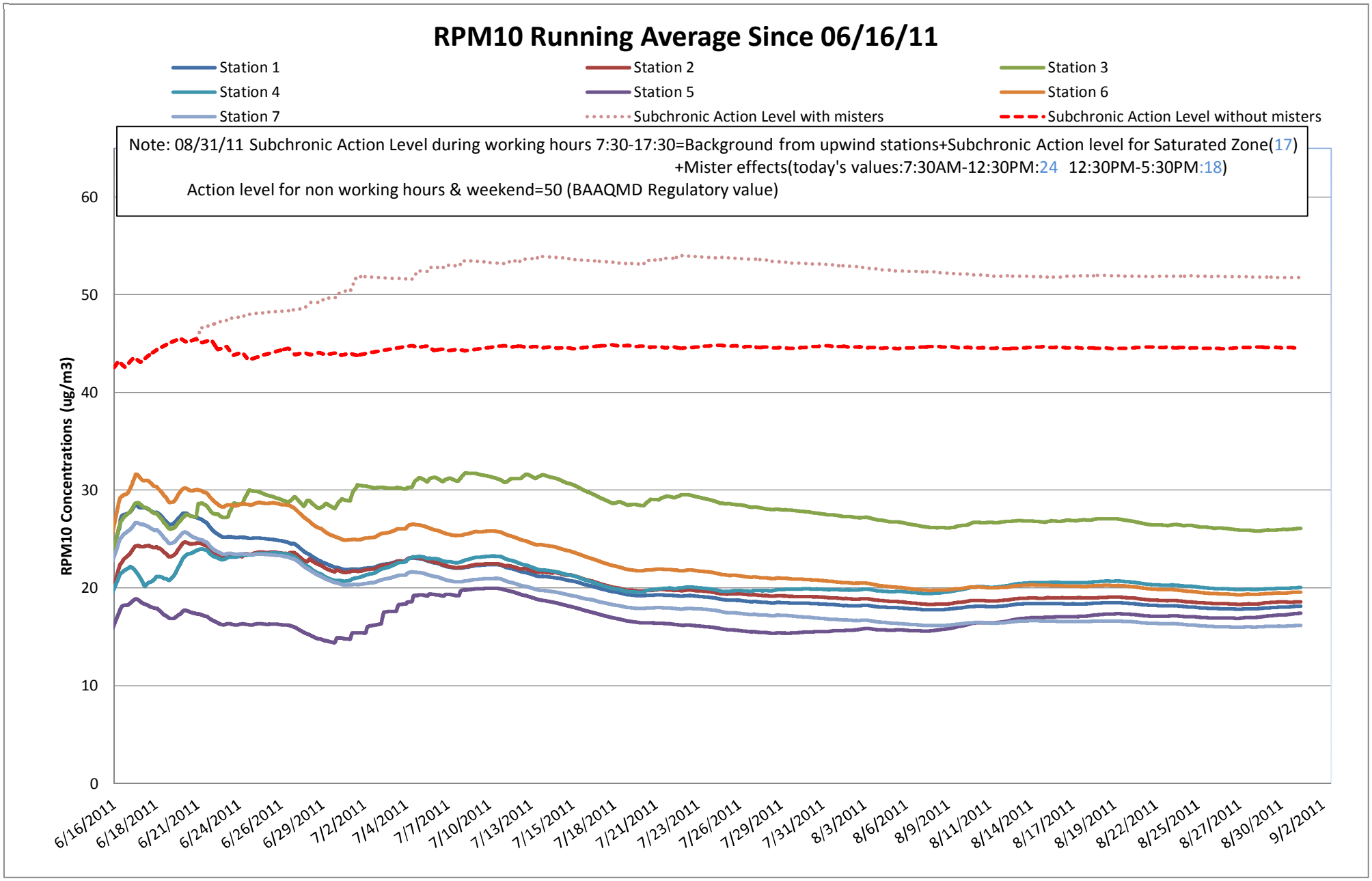
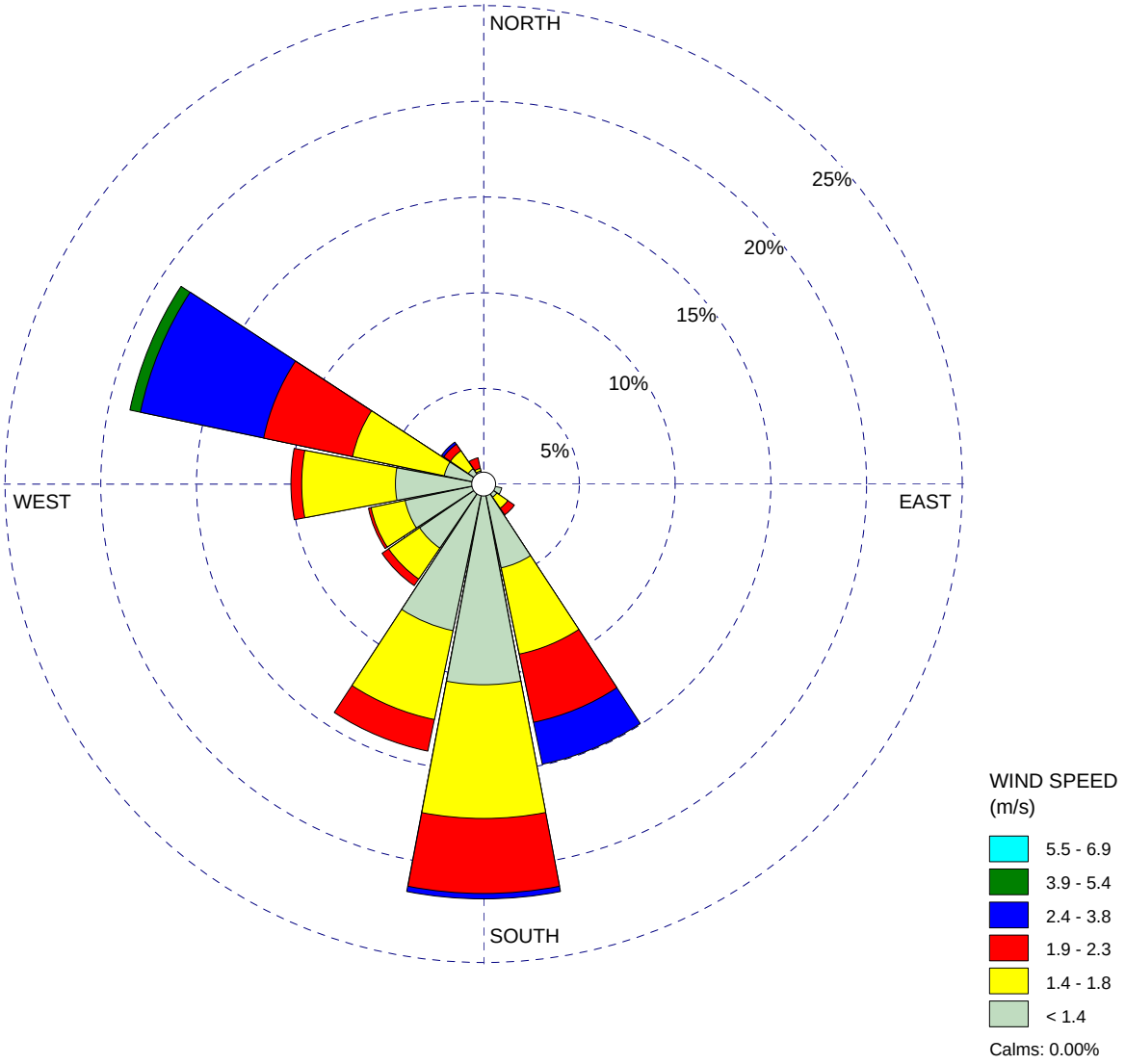

RPM10 Running Average Since 06/16/11
Station 1
Station 2
Station 3
Station 4
Station 5
Station 6
Station 7
Subchronic Action Level with misters
Subchronic Action Level without misters
Note: 08/31/11 Subchronic Action Level during working hours 7:30-17:30=Background from upwind stations+Subchronic Action level for Saturated Zone(17)
+Mister effects(today's values:7:30AM-12:30PM:24 12:30PM-5:30PM:18)
Action level for non working hours & weekend=50 (BAAQMD Regulatory value)
RPM10 Concentrations (ug/m3)
0
10
20
30
40
50
60
6/16/2011
6/18/2011
6/21/2011
6/24/2011
6/26/2011
6/29/2011
7/2/2011
7/4/2011
7/7/2011
7/10/2011
7/13/2011
7/15/2011
7/18/2011
7/21/2011
7/23/2011
7/26/2011
7/29/2011
7/31/2011
8/3/2011
8/6/2011
8/9/2011
8/11/2011
8/14/2011
8/17/2011
8/19/2011
8/22/2011
8/25/2011
8/27/2011
8/30/2011
9/2/2011

Figure 8

WIND ROSE PLOT:

DISPLAY:
Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD: **Start Date: 8/1/2011 - 00:00** **End Date: 8/31/2011 - 23:00**	COMPANY NAME:	
		MODELER:	
	CALM WINDS: **0.00%**	TOTAL COUNT: **717 hrs.**	
	AVG. WIND SPEED: **1.59 m/s**	DATE: **9/1/2011**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 9